

Appl. No. 09/821,953
Atty. Docket No. 7973MR
Amdt. dated November 20, 2003
Reply to Office Action of July 23, 2003

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-37 (Currently Cancelled)

38. *(Original)* A cleaning sheet comprising:

- (a) a substrate; and
- (b) a polymeric additive selected from the group consisting of pressure sensitive adhesive, tacky polymer, and mixtures thereof;

wherein said polymeric additive is incorporated onto said substrate at a level of from about 0.1 g/m² to about 10.0 g/m².

39. *(Original)* The cleaning sheet of Claim 38, wherein said polymeric additive is incorporated onto said substrate at a level of from about 0.3 g/m² to about 6.0 g/m².

40. *(Original)* The cleaning sheet of Claim 39, wherein said polymeric additive is incorporated onto said substrate at a level of from about 0.5 g/m² to about 4.0 g/m².

41. *(Original)* The cleaning sheet of Claim 38, wherein said polymeric additive is a pressure sensitive adhesive comprising:

- (a) an adhesive polymer;
- (b) optionally, a tackifying resin;
- (c) optionally, a plasticizer; and
- (d) optionally, a component selected from the group consisting of diluents, stabilizers, antioxidants, colorants, fillers, and mixtures thereof.

42. *(Original)* The cleaning sheet of Claim 38, wherein said polymeric additive is a tacky polymer selected from the group consisting of: polyisobutylene polymers, alkyl methacrylate polymers, polyalkyl acrylates, and mixtures thereof.

43. *(Original)* A cleaning sheet comprising:

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- (a) a substrate; and
 - (b) a pressure sensitive adhesive incorporated onto said substrate, said pressure sensitive adhesive comprising:
 - (i) an adhesive polymer;
 - (ii) optionally, a tackifying resin;
 - (iii) optionally, a plasticizer; and
 - (iv) optionally, a component selected from the group consisting of diluents, stabilizers, antioxidants, colorants, fillers, and mixtures thereof;
- wherein said pressure sensitive adhesive has an Adhesive Work Value of from about 130 to about 1000.

44. *(Original)* The cleaning sheet of Claim 43, wherein said Adhesive Work Value from about 160 to about 750.

45. *(Original)* The cleaning sheet of Claim 44, wherein said Adhesive Work Value from about 250 to about 650.

46. *(Original)* The cleaning sheet of Claim 43, wherein said pressure sensitive adhesive has an additional adhesive characteristic selected from the group consisting of:

- (a) a Tack Value of from about 100 to about 500;
- (b) a Cohesive/Adhesive Ratio of from about 0.2 to about 20;
- (c) a Stringiness Value of from about 2.5 to about 12.0; and
- (d) combinations thereof.

47. *(Original)* The cleaning sheet of Claim 46, wherein said pressure sensitive adhesive has a Tack Value of from about 150 to about 400.

48. *(Original)* The cleaning sheet of Claim 43, wherein said adhesive polymer is selected from the group consisting of block co-polymers containing polystyrene endblocks, and polyisoprene, polybutadiene, and/or poly ethylene-butylene midblocks; polyolefins such as polyethylene, polypropylene, amorphous polypropylene, polyisoprene, and polyethylene propylene; ethylene-vinylacetate copolymers, polyisobutylene; poly(vinyl ethylene-co-1,4-butadiene); natural rubber [poly cis-isoprene]; polyacrylic acid, preferably 2-ethylhexylacrylate and iso-

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octylacrylate, and polymethacrylic acid or their salt; polydimethylsiloxane, polydiphenylsiloxane, poly methyl phenyl siloxane; polyvinyl alcohol; and mixtures thereof.

49. *(Original)* The cleaning sheet of Claim 43, wherein said adhesive polymer is a cross-linked acrylate polymer.

50. *(Original)* A cleaning sheet comprising:

(a) a substrate; and

(b) a tacky polymer;

wherein said tacky polymer has an said Adhesive Work Value is from about 50 to about 1000.

51. *(Original)* The cleaning sheet of Claim 50, wherein said Adhesive Work Value is from about 75 to about 250.

52. *(Original)* The cleaning sheet of Claim 51, wherein said Adhesive Work Value is from about 100 to about 150.

53. *(Original)* The cleaning sheet of Claim 50, wherein said tacky polymer has a T_g of from about -150°C to about 0°C.

54. *(Original)* The cleaning sheet of Claim 50, wherein said tacky polymer has a molecular weight of from about about 1000 to about 500,000.

55. *(Original)* The cleaning sheet of Claim 50, wherein said tacky polymer has an additional adhesive characteristic selected from the group consisting of:

(a) a Tack Value of from about 300 to about 500;

(b) a Cohesive/Adhesive Ratio of from about 0.2 to about 20;

(c) a Stringiness Value of from about 0.4 to about 12.0; and

(d) combinations thereof.

56. *(Original)* The cleaning sheet of Claim 50, wherein said tacky polymer is selected from the group consisting of polyisobutylene polymers, alkyl methacrylate polymers, polyalkyl acrylates, and mixtures thereof.

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57. (Original) The cleaning sheet of Claim 56, wherein said tacky polymer is polyisobutylene polymer.

58. (Original) A cleaning sheet comprising:

(a) a substrate; and

(b) a polymeric additive selected from the group consisting of pressure sensitive adhesive, tacky polymer, and mixtures thereof;

wherein said polymeric additive is incorporated onto said substrate in zones comprising a center zone and two side zones; wherein said side zones are located on each side of said center zone; wherein the level of said polymeric additive in said center zone is from about 0 g/m² to about 1.5 g/m²; and wherein the level of said polymeric additive in said side zones is from about 0.1 g/m² to about 5.0 g/m².

59. (Original) The cleaning sheet of Claim 58, wherein said polymeric additive is a pressure sensitive adhesive and has an Adhesive Work Value of from about 130 to about 1000.

60. (Original) The cleaning sheet of Claim 58, wherein said polymeric additive is a tacky polymer and has an Adhesive Work Value of from about 50 to about 1000.

61. (Original) A cleaning implement comprising:

(a) a cleaning sheet comprising:

(i) a substrate; and

(ii) a polymeric additive selected from the group consisting of pressure sensitive adhesive, tacky polymer, and mixtures thereof;

(b) a mop head comprising a leading edge, a trailing edge, and a bottom surface for engaging said cleaning sheet;

wherein said bottom surface of said mop head has a gap at least one of said leading edge or said trailing edge of at least about 1.5 mm; and wherein said polymeric additive is incorporated onto said substrate in zones comprising a center zone and two side zones; wherein said side zones are located on each side of said center zone; wherein the level of said polymeric additive in said center zone is from about 0 g/m² to about 1.5 g/m²; and wherein the level of said polymeric additive in said side zones is from about 0.1 g/m² to about 5.0 g/m².

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62. *(Original)* The cleaning implement of Claim 61, wherein said polymeric additive is a pressure sensitive adhesive and has an Adhesive Work Value of from about 130 to about 1000.

63. *(Original)* The cleaning implement of Claim 61, wherein said polymeric additive is a tacky polymer and has an Adhesive Work Value is from about 50 to about 1000.